Event

MPTS IJET
EP 2104
IFT/OFT

Mission

EMERGENCY PROCEDURES SIMULATOR

1.3 HOURS/X

ORM

EP 2104

- **OPERATIONAL REQUIREMENTS / LIMITATIONS**
  - **CREW REST/ CREW DAY / WORK WEEK**
  - **WARM-UP ELIGIBILITY**
  - **PREVIOUS FLIGHT COMPLETE?**
  - **IP CURRENCY**
  - **READ AND INITIAL**

- **HUMAN FACTORS**
  - **LIFE STRESSORS / EXTERNAL FACTORS/ PERSONAL PROBLEMS**
  - **MEDICAL STATUS**
    - **CREW DAY**
    - **CREW REST**
    - **NOURISHMENT**
    - **HYDRATION**

- **HAZARDS AND CONTROLS**
  - **ROUTINE**
  - **WEATHER**
    - **CURRENT OBSERVATIONS AND FORECASTS**
    - **CROSSWINDS**
    - **FUEL CONSIDERATIONS**

TTO

EP 2104

- **WHO WILL CALL A TTO?**

- **WHAT SITUATIONS WILL THE TTO BE CALLED?**
  - **SAFETY**
  - **CONFUSION**
  - **MISUNDERSTANDING**

- **IP RESPONSIBILITIES**
  - **RECOGNIZE THE NEED FOR A TTO**
  - **EXPLANATION / INSTRUCTION AS NECESSARY**
  - **DOCUMENTATION ON ATF**

- **WHEN AND HOW WILL TRAINING RESUME?**

ADMIN

EP 2104

- **QOD**
  - **NATOPS**
  - **EP**
  - **SOP**
- **PREREQUISITES**
  - **CO 3202**
  - **ORM 1101**
  - **CRM 1101**
  - **EP 1106**
  - **EP 1111 PRIOR TO EP 2103**
- **MISC**
  - **EVENT DURATION MUST BE AT LEAST 0.75 OF SYLLABUS TIME TO BE COMPLETE (1.1 HRS).**
  - **AN EVENT DURATION THAT DEVIATES GREATER THAN 0.3 HOURS FROM SYLLABUS TIME MUST HAVE THE REASON ANNOTATED ON THE GRADE SHEET.**

SYLLABUS NOTES

EP 2104

A. THE STUDENT WILL PERFORM THE FOLLOWING PROCEDURES IAW FTI, NATOPS, AND SOP:

- **BLOWN TIRE DURING TAKEOFF**
- **RUNAWAY RUDDER TRIM**
- **RUDDER HARD-OVER**
- **RUNAWAY STABILATOR TRIM**
- **RUNAWAY AILERON TRIM**
- **AILERON TRIM FAILURE**
- **SPEEDBRAKE FAILS TO RETRACT**
- **SPLIT FLAPS**
- **PITOT STATIC MALFUNCTIONS**
- **MAIN/NOSE GEAR UNSAFE DOWN**
- **GEAR EMERGENCY EXTEND FAILURE**
- **BRAKE ACCUMULATOR FAILURE**
- **BRAKE FAILURE AFTER TOUCHDOWN**
- **ECA FAILURE**
- **GINA FAILURE**
- **EMERGENCY COMMUNICATIONS**
- **EJECTION**

SSR/DISCUSS ITEMS

EP 2104

- **SPECIAL SYLLABUS REQUIRMENTS:**
  - **NONE**

- **DISCUSS ITEMS:**

  - **QOD**
  - **SMOKE/FUMES IN COCKPIT**
  - **RUDDER TRIM FAILURE**
  - **STABILATOR TRIM FAILURE**
  - **FLAPS FAIL TO RETRACT**
  - **SLATS FAIL TO RETRACT**
  - **FLAPS FAIL TO EXTEND**
  - **SLATS FAIL TO EXTEND**
  - **SPLIT SLATS**
  - **GEAR UNSAFE AFTER EXTENSION**
  - **GEAR DOOR MALFUNCTIONS AFTER EXTENSION**
  - **GO-AROUND**

DISCUSS

EP 2104

GO-AROUND

- **HISTORY: REFER TO VT-22 SIR, JUNE 2010**

- **JOINT SOP: AT ANY TIME IF THE AIRCRAFT IS NOT DECELERATING NORMALLY WITH 3000 FEET OF RUNWAY REMAINING, A GO-AROUND OR LONG FIELD ARRESTMENT DECISION MUST BE MADE**
  - **NOTE: WHILE THE FAM FTI CAUTIONS AGAINST ROLL BEYOND 4000 FT REMAINING MARKER (DURING ROLL AND GO), SNAs SHOULD UNDERSTAND THAT GO AROUND IS POSSIBLE WITH LESS RUNWAY**

- **IPs MUST ENSURE STUDENTS ARE AWARE OF T-45C SHORT-FIELD TAKEOFF PERFORMANCE. DISCUSS FOLLOWING:**
  - **LINE SPEEDS DURING LANDING ROLL**
  - **GO-AROUND ROTATION SPEED (V liftoff: 99 KIAS)**
  - **GO-AROUND AOA (19.5 UNITS)**
  - **L/Dmax (24 UNITS)**
  - **TAKEOFF ROLL (LESS THAN 2000’ AT 11,000 lbs)**

BLOCK MIF

EP 2104

CTS REF	MANEUVER	EP2104
1	General Knowledge/Procedures	3+
2	Emergency Procedures	3+
3	Headwork/Situational Awareness	3+
4	Basic Airwork	1+
5	Mission Planning/Briefing/Debriefing	3+
6	Communications	2+
7	Ground Operations	3+
8	Flight Admin	3+
2	Start Malfunctions	3+
2	Ground Emergencies	3+
2	Aborted Takeoff	3+
2	Takeoff EPs	3+
2	Engine EPs	3+
2	Flight Control EPs	3+
2	Gear EPs	3+
2	Electrical EPs	3+
2	Hydraulic EPs	3+
2	ECS EPs	3+
2	Fuel System EPs	3+
2	Ejection	3+

STANDARD DEBRIEFING FORMAT

EP 2104

- THE FLIGHT LEAD OR PILOT-IN-COMMAND IS RESPONSIBLE FOR ENSURING ALL FLIGHT OR CREWMEMBERS ARE THOUROUGHLY DEBRIEFED ON THE CONDUCT OF THE MISSION UTILIZING THE "S-P-B-E-MS-LL" FORMAT OUTLINED BELOW.

I. SAFETY
II. PLANNING
III. BRIEF
IV. EXECUTION
V. MISSION SUCCESS
VI. LESSONS LEARNED